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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

CHEN et al.

Atty. Ref.: 2476-36

Serial No. 10/730,382

TC/A.U.: 1756

Filed: 9 December 2003

Examiner:

For: REVERSIBLE PHOTOBLEACHABLE MATERIALS BASED ON
NANO-SIZED SEMICONDUCTOR PARTICLES AND THEIR OPTICAL
APPLICATIONS

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April 7, 2005

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

In accordance with Rule 97, the undersigned attorney submits the documents listed on the attached form PTO-1449. A copy of each listed document other than U.S. patents is enclosed. Also listed is a document recently cited in an International Search Report in a counterpart foreign application. A copy of the search report is enclosed. The Examiner is requested to initial the attached form PTO-1449 and to return a copy as an indication that the listed documents have been considered and made of record in this case.

Respectfully submitted,

NIXON & VANDERHYE P.C.

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**INFORMATION DISCLOSURE
CITATION**

ATTY. DOCKET NO.

SERIAL NO.

2476-36

10/730,382

APPLICANT

CHEN et al.

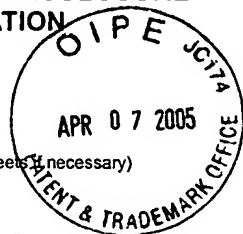
FILING DATE

TC/A.U.

9 December 2003

1756

(Use several sheets if necessary)


U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,291,110	09/2001	Cooper			
	2003/0129545	07/2003	Kik et al.			
	2003-0117598 A1	06/2003	Case et al.			

FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

	L.G. Zimin, et al., "Room-temperature Optical Nonlinearity in Semiconductor-doped Glasses", Phys. Stat. Sol. (b) 150:653-6 (1988)
	A.I. Efros, et al., "Interband absorption of light in a semiconductor sphere," Sov. Phys. Semicon., 16:772-78 (July 1982).
	L.E. Brus, J. Chem. Phys., 79(11), "A simple model for the ionization potential, electron affinity, and aqueous redox potentials of small semiconductor crystallites," 5566-71 (12/1/1983)
	A. Kornowski, et al., "Preparation and Photophysics of Strongly Luminescing Cd ₃ P ₂ Quantum Dots", J. Phys. Chem, 1996, 100: 12467-71.
	C.B. Murray, et al., "Synthesis and Characterization of Monodisperse Nanocrystals and Closed-Packed Nanocrystal Assemblies," Annu. Rev. Mater. Sci., 30:545-610 (2000).
	H. Kageshima, et al., "InGaAs/GaAs photorefractive multiple quantum well device in quantum confined Stark geometry." Appl. Phys. B 72, 685-689(2001).
	P. Gribkovskii, V.A. Zyul'kov, A.E. Kazachenko, and S.A. Tikhomirov, "Optical Nonlinearity of Semiconductor Microcrystal CdS _x Se _{1-x} Under the Action of Picosecond and Nanosecond Laser Pulses", 1988, Phys. Stat. Sol. (b) 158: 359-66.
	A. Sclafani, et al., "Effect of silver deposits on the photocatalytic activity of titanium dioxide samples for the dehydrogenation or oxidation of 2-propanol," J. Photochem. Photobiol. A: Chem. 1991, 59, 181.
	S.A. Empedocles, et al., "Quantum-Confined Stark Effect in Single CdSe Nanocrystallite Quantum Dots," SCIENCE, 278, 2114 (12/19/1997).

* Document not available.

*Examiner	Date Considered
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Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.